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Innovation in and out of parlour



Intro90 Parallel Swingover Milking Parlour



High quality designed and manufactured 90 degree parallel milking parlour.

The ATL Intro90 swingover parlour was designed for low cost, grass based systems.

The swingover parlour allows the user to switch from side to side once a cow has finished milking, the opposing side of cows can be milked, eliminating idle clusters.



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Parlour Features

- High level, 90 degree cow standing, 660mm centred milking parlour provides an unobstructed view of the cow, with optimal udder presentation and access through the rear legs;
- Free standing, cow friendly stalling design ensures excellent cow position and optimal operator working space;
- Central support system carries all wiring and ACR cylinders, reducing the installation time and steel cover keeps the equipment clean;
- Easy installation with clamp together galvanised steel frame;
- Compressed air entry and exit gates - gates are controlled by electronic control units at optimal locations in the pit;
- Wide entry and exit gates provide fast cow flow and quick side changeover;
- Cows relaxed and ready for milking.

Entry Gate

- Vertical pivoting heavy duty entry gate to control cow entry to the parlour.

Gate Control





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Swing Arm

- Manufactured from stainless steel with integrated ACR cylinder;
- 19mm milk and twin 10mm stainless steel pulsation lines;
- Option of lift to start ACR - vacuum turned onto cluster when weight of unit taken by operator - requires ACR or milk meter system;
- Option of swing to start - vacuum turned onto cluster and side shown on milk meter automatically when arm swung over to new side.



Milking Unit

- 400ml capacity claw with stainless steel top and bottom surrounding a clear inspection bowl;
- The claw has large bore milk inlets and outlet to optimise milk flow, with stainless steel teat cup shells;
- The low level jetter system allows complete flooding of the cluster during washing thus giving a far superior wash of the cluster bowl;
- The jetter allows automatic de-jettering of the cluster on parlour start up (not with Powerflush).



Parlour Lines

- Polished 316 hygienic stainless steel milk line, mounted overhead, with welded inlet nipples to ensure stable vacuum, minimum maintenance, high level of milk quality and reduced risk of bacteria infection;
- Large bore wash slugger with air blast system to give a very aggressive wash to milk line;
- Polished 316 hygienic stainless steel low level wash line with welded inlet nipples to ensure minimum maintenance.



Receiver Unit

- Vertical stainless steel receiving vessel and 20 litre sanitary trap;
- The vessel is mounted onto a galvanised back plate with skirt edges to keep the receiver clean;
- High capacity milk pump and compressed air purge of delivery line.



Pulsation System

- The pulsator is easily cleaned and can be linked to a clean airline to reduce servicing costs;
- Large bore white PVC is used for the vacuum and clean air lines as it is lightweight, durable and easy to clean;
- Large bore reduces friction loss, creating a far more stable vacuum and less demand on the vacuum pump;
- Choice of either E-Pulse or Pulse-8 master pulsation control.



Vacuum Pumps

- Vane and lobe vacuum pumps available;
- Vane vacuum pumps are oil-lubricated and require a constant supply of oil to operate;
- Lobe pumps are oil free and are therefore more economic to run as no oil is used to lubricate them;
- They also have lower minimum speeds so they can use less electricity on variable speed vacuum systems.



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Modular ATL technology supports a range of options to suit individual demands, needs and requirements



Cluster Removers

- Range of cluster removers to suit different requirements;
- Allows the operator to reduce milking times and improve teat health by automating the removal of the milking cluster from the cow;
- Simple bright LCD display and warning lights;
- Colour bar graph display to indicate low to high conductivity at a glance;
- Free flowing sensor including shut-off valve.



Milk Meters

- Simple and accurate, non-approved milk meter;
- Clear, large character LCD display;
- 6 buttons - automatic milking, manual milking, wash, health attentions and 2 arrow keys;
- Can be stand-alone or integrated into ATL system;
- Integrated system can display animal number, current milk yield, previous milk yield, health attentions and feed ration.



Parlour Feeding

- Electric, auger driven feeder;
- Easy to operate, easy to maintain, strong, reliable and accurate;
- Designed to deliver the most popular feed grades.

Parlour Control



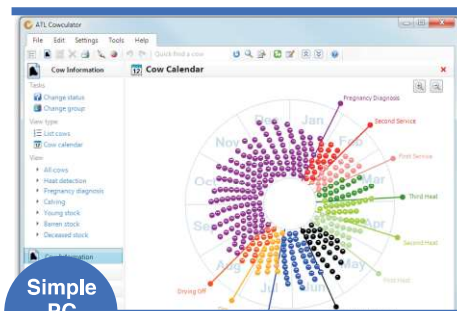
Parlour Auto-ID

- Simple, accurate and easy to use;
- Automatically feed rations and store milk yields when linked to milk meters;
- Individual stall antennas - the only way to guarantee the right cow in the right stall, each and every time;
- Simply flick the scan switch and the feeding / milk yield storing is done;
- Uses low cost, battery free HDX electronic ear tags.



Automatic Drafting

- The Pegasus drafting system automatically segregates cows from the milking pit, milking point or farm office;
- Completely free-flowing - no stopping / interrupting cow flow exiting the parlour - stress free drafting;
- Compressed air operated gate(s);
- Uses low cost, battery free HDX electronic ear tags.



Simple PC Software

- Individual animal records containing daily feed rations, lifetime milk yields, health records and medicine use;
- Three types of ration calculation including feeding to yield and feeding based upon days in milk;
- Cow calendar visually shows each animal's position in the lactation cycle and highlights cows not performing.



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Modular ATL technology supports a range of options to suit individual demands, needs and requirements



Auto Wash 365

- Simple and easy to use wash controller for small to medium sized parlours;
- 4 wash programs, including dedicated pre-milking key;
- Peristaltic pumps accurately dispense chemicals at up to 0.8 litres per minute - up to a maximum of 3 pumps;
- Temperature sensor for wash trough and stainless steel pressure level sensor in wash trough.



Auto Wash Pro

- Simple and easy to use wash controller for large parlours;
- 8 wash programs, including dedicated pre-milking and milk stone program keys;
- Peristaltic pumps accurately dispense chemicals at up to 2.5 litres per minute - up to a maximum of 4 pumps;
- Temperature sensors for wash trough and return line(s). Stainless steel pressure level sensor in wash trough with conductivity.



VS Milk Control

- The Variable Speed Milk Pump Control allows for a more efficient pre-cooling of the milk;
- The milk is able to cool faster due to the constant flow rate through the plate cooler. This reduces the temperature of the milk which is entering the bulk tank;
- The slow, gentle and constant flow also preserves the milk quality when compared to the start and stop process of a standard milk pump control.



VS Vacuum Control

- The Variable Speed Vacuum Pump Control allows more efficient production of vacuum as vacuum is produced based upon demand;
- Vacuum demand will change throughout milking depending upon whether units are being attached, units being removed etc;
- This reduces energy use and therefore reduces electricity costs;
- System uses digital vacuum sensor to constantly monitor the vacuum level.





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